

## Volume contents

### Volume 94 (1998)

M. Ernst, H.-J. Freisleben, E. Antonopoulos, L. Henkel, W. Mlekusch, G. Reibnegger (Germany, Indonesia, Austria) <i>Calorimetry of archaeal tetraether lipid—indication of a novel metastable thermotropic phase in the main phospholipid from Thermoplasma acidophilum cultured at 59°C</i> . . . . .	1
T. Le Bihan, M. Pézolet (Canada) <i>Study of the structure and phase behavior of dipalmitoylphosphatidylcholine by infrared spectroscopy: characterization of the pretransition and subtransition</i> . . . . .	13
W.W. Christie (UK) <i>Mass spectrometry of fatty acids with methylene-interrupted ene-yne systems</i> . . . .	35
M. Ramakrishnan, M.J. Swamy (India) <i>Differential scanning calorimetric studies on the thermotropic phase transitions of N-acyl ethanolamines of odd chainlengths</i> . . . . .	43
A. Singh, P.E. Schoen, M.-A. Guedeau-Boudeville (USA, France) <i>Temperature dependent membrane phase reorganization in giant vesicles</i> . . . . .	53
J.N. Herak, D. Krilov, N. Stojanović, J. Marincel (Croatia) <i>Very slow autoxidation of low-density lipoprotein spares <math>\alpha</math>-tocopherol</i> . . . . .	63
A. de la Maza, O. Lopez, L. Coderch, J.L. Parra (Spain) <i>Solubilization of phosphatidylcholine liposomes by the amphoteric surfactant dodecyl betaine</i> . . . . .	71
D. Trommeshauser, H.-J. Galla (Germany) <i>Interaction of a basic amphipathic peptide from the carboxyterminal part of the HIV envelope protein gp41 with negatively charged lipid surfaces</i> . . . . .	81
S. Zellmer, I. Zimmermann, C. Selle, B. Sternberg, W. Pohle, J. Lasch (Germany) <i>Physicochemical characterisation of human stratum corneum lipid liposomes</i> . . . . .	97
M.M. Pincelli, P.R. Levstein, C.A. Martin, G.D. Fidelio (Argentina) <i>Cholesterol-induced stabilization of lamellar structures in ganglioside-containing lipid aggregates. A <math>^{31}\text{P}</math>-NMR study</i> . . . . .	109
M. Suurkuusk, S.K. Singh (Sweden) <i>Microcalorimetric study of the interaction of 1-hexanol with dimyristoylphosphatidylcholine vesicles</i> . . . . .	119
<i>Short communication</i>	
G.M. Mrevlishvili, B.I. Kankia, T.J. Mdzinashvili, T.I. Brelidze, M.M. Khvedelidze, N.O. Metreveli, G.Z. Razmadze (Georgia) <i>Liposome-DNA interaction: microcalorimetric study</i> . . . . .	139
<i>Book review</i> . . . . .	145
Special section on the 39 <sup>th</sup> International Conference on the Biochemistry of Lipids, Davos, Switzerland	
<i>Preface</i> . . . . .	147
<i>Abstracts</i> . . . . .	149
<i>Original articles</i>	
A. de la Maza, O. Lopez, M. Cocera, L. Coderch, J.L. Parra (Spain) <i>Influence of the level of ceramides in the permeability of stratum corneum lipid liposomes caused by sodium dodecyl sulfate</i> . . . . .	181

A.P. Kaplun, O.V. Bogomolov, N.B. Yakunina, Y.V. Kuzmina, V.I. Shvets (Russia) <i>A general route to glycerophospholipids modified in the hydrophobic region (Friedel–Crafts reaction introducing arene modifiers into natural glycerophospholipids)</i> . . . . .	193
J.N. Carroll, F.D. Pinkerton, X. Su, N. Gerst, W.K. Wilson, G.J. Schroepfer, Jr. (USA) <i>Sterol synthesis. Synthesis of 3<math>\beta</math>-hydroxy-25,26,26,27,27,27-heptafluorocholest-5-en-7-one and its effects on HMG-CoA reductase activity in Chinese hamster ovary cells, on ACAT activity in rat jejunal microsomes, and serum cholesterol levels in rats</i> . . . . .	209
M. Attar, P.T.T. Wong, M. Kates, D. Carrier, P. Jaklis, N. Tanphaichitr (Canada) <i>Interaction between sulfogalactosylceramide and dimyristoylphosphatidylcholine increases the orientational fluctuation of their lipid hydrocarbon chains</i> . . . . .	227
J.-M. Vati��le, B. Fenet, T. Eynard (France) <i>Complete <sup>13</sup>C assignments and structural elucidation of n-3 polyunsaturated fatty acids by the use of a new 2D NMR technique: SAPHIR-HSQC</i> . . . . .	239
F. Br��ngezu, G. Brezesinski, H. M��hwald (Germany) <i>Influence of side-chain length on phospholipid ordering in two dimensions</i> . . . . .	251
Author Index–Volume 94 . . . . .	261
Subject Index–Volume 94 . . . . .	263
Contents–Volume 94 . . . . .	267

